

QUALIFICATIONS SHEET

The Sempra Energy Services/Altair Energy Team

- *Understands Federal customer requirements and has extensive Federal ESPC experience*
- *Has teamed with leader in the field of photovoltaics (PV) to provide the unique combination of energy efficiency, performance contracting and PV expertise*
- *Over 400 professional energy service personnel.*

Who is the Sempra Energy Services/Altair Energy Team?

Sempra Energy Services is one of the largest and most successful energy services companies in the U.S. The company, founded in 1986 as CES/Way International, Inc., combines a strong background in mechanical contracting and financing to develop and implement successful energy savings performance contracts. Performance contracting has been Sempra Energy Service's only business since its inception. The company has developed and executed Federal ESPC's on a variety of facilities, from national monuments to Air Force bases to hospitals, utilizing the widest range of energy conservation technologies.

Altair Energy (formerly Photovoltaic Services Network) provides a variety of solar electric services, including PV equipment installation, warranty and maintenance contracts, financing and leasing. Altair has evolved from a non-profit electric utility organization to one of the nation's first for-profit solar electric energy service companies.

Federal ESPC/Photovoltaic Experience

Sempra Energy Services is currently under contract for the following Federal ESPC IDIQs:

- | | |
|------------------------|---|
| - DOE Western Region | - DOE Northeast Region |
| - DOE Central Region | - U.S. Army 46-State ESPC IDIQ |
| - DOE Midwest Region | - U.S. Army MedCom ESPC IDIQ |
| - DOE Southeast Region | - DOE Photovoltaic Tech Specific Super ESPC |

Altair Energy is the leader in helping utilities, builders and developers offer solar electricity as a reliable, environmentally friendly customer choice. Altair Energy employees have been helping utilities and their customers tap solar electricity for over 10 years.

Advantages of the Sempra Energy Services/Altair Team

The Sempra Energy Services/Altair Energy team is prepared to implement energy efficiency retrofits based primarily on the installation of a photovoltaics system, and has extensive experience in helping both public and private sector clients achieve the following:

- Blend PV or solar electricity into ESPCs involving the more traditional energy saving technologies
- Achieve federal mandated energy reductions
- Minimize environmental impacts through reduced energy consumption and utilization of renewable energy resources
- Replace aging equipment and mitigate deferred maintenance
- Reduce O&M costs, reduce utility costs
- Identify cost effective projects by utilizing our extensive hands-on experience
- Guaranteed energy system reliability

Sempra Energy Services possesses an unequaled level of expertise in energy efficiency improvements in the federal sector and other facilities; as well as, demonstrated experience in all of the technologies and services offered. With substantial financial strength and capacity, combined with the organizational resources to implement projects quickly; Sempra Energy Services/Altair Energy provides Government federal facilities with a contractor capable of, and dedicated to, turning projects into successes.

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PERFORMANCE REFERENCES

Company: Altair Energy
Project Title: National Renewable Energy Lab
Project Location: Yellowstone National Park's Lamar Buffalo Ranch
Project Dates: 1996
Project Manager: Andy Walker, NREL
1617 Cole Boulevard
Golden, CO 80401
(505) 438-7440

Types of ECMs Implemented: PV modules with battery storage and generator back-up

Project Cost: \$80,000

Subcontracting: None

Company: Sempra Energy Services
Project Title: Sherman Indian School
Project Location: Riverside, CA
Project Date: 1999
Customer Contact: Bill Coursey
505-346-6511

Types of ECMs Implemented: 6 kW PV system, Lighting, HVAC, Motors, Controls upgrades

Project Cost: \$233,270

Subcontracting: Altair Energy

Company: Sempra Energy Services
Project Title: Hill Air Force Base
Project Location: Salt Lake City, Utah
Implementation Dates: July 1994 – November 1999
Project Manager: Kent Nomura, Energy Manager Tel: (801) 777-5419

Types of ECMs Implemented: Chillers, Cooling towers, Variable speed drives on pumps and air handling units, EMCS, Economizer Controls, Steam trap repairs, Valve replacements, insulation of steam lines, and control systems on process equipment, equipment lines, air scrubbers. Extensive lighting retrofits

Project Cost: \$20,000,000

Annual Achieved Savings: \$2.33 million

Subcontracting: CCI Mechanical, Casche Valley Electric

Company: Sempra Energy Services
Project Title: Louisiana State University
Project Location: LSU Physical Plant, LA
Implementation Dates: November 1989 - June 1992 (Contract buyout by client in 1994)
Project Manager: Joe Kelley, Executive Director
Tel: 225-388-5603

Types of ECMs Implemented: A 5,000-HP, gas fired turbine was installed to drive a 6,300-ton chiller and produce steam with a heat recovery boiler; over 4.5 miles of underground piping along with 8,000-tons of cooling tower capacity and 2.25 miles of fiber optic cable (for EMS); 22 new pumps and variable speed drives to modify and control the flow of chilled water; a new computerized energy control system was installed to optimize the use of the chiller plant; boiler controls were relocated from separate control rooms into the new plant; CES/Way controls 12,000-tons of chillers from the new central plant and distributes chilled water to the campus utilizing variable volume pumping loops, without the use of building booster pumps.

Annual Savings Achieved: \$4,672,049

Project Cost: \$18,650,000

Subcontracting: Cajun Contractors, Inc., Bernhardt Mechanical, Johnson Controls, Stewart & Stevenson
